SHARP SERVICE MANUAL

S8862AHM098E/



MULTI SPLIT SYSTEM ROOM AIR CONDITIONERS

MODEL AH-M098E
(2 INITS)
OUTDOOR UNIT
AU-M188E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SPECIFICATIONS

ITEMS			INDOOR UNIT	OUTDOOR UNIT		
			AH-M098E	AU-M188E		
Cooling capacity kW		kW	[1Unit] 2.5, [2Unit] 2.4 x 2			
Moisture removal Liters/h		Liters/h	1.2 x 2			
★ Electrical data						
Phase -		-	Single	Single		
Rated frequency		Hz	50			
Rated voltage ra	nge	V	198 to 264			
Rated voltage		V	220 - 240			
Rated current		A	[1Unit] 4.1 - 4.1, [2Unit] 7.6 - 7.5			
Rated input		W	[1Unit] 890 - 950, [2Unit] 1650 - 1760			
Power factor		%	[1Unit] 99 - 97, [2Unit] 99 - 98			
Compressor	Туре		Hermetically sealed rotary type			
	Model		2PS154D3AA01			
	Oil charg	e	270cc (SUNISO 4GDID)			
Refrigerant system	Evaporat	or	Louver fin and Grooved tube type(7mm	tube)		
	Condens	er	Fin and Grooved tube type			
	Control		Capillary tube			
	Refrigera	nt volume	750 g x 2			
Capillary tube size	Outer dia	. mm	-	2.7		
	Inner dia. mm		-	1.5		
	Lenght	mm	-	700		
	Q'ty		-	2		
Noise level	High	dB(A)	37	53 - 54		
	Med.	dB(A)	33	-		
	Low	dB(A)	29	-		
Fan system		•				
Drive			Direct drive	Direct drive		
Air flow quantity	High	m3(cft)/min.	6.8	42		
	Med.	m3(cft)/min.	5.7	-		
	Low	m3(cft)/min.	4.8	-		
Fan			Cross flow fan	Propeller fan		
Connections						
Refrigerant coup	ling		Flare type			
Refrigerant tube	size Gas,	Liquid	3/8", 1/4"			
Refrigerant pipe	sets No.		AZ-24T5F; 5m(16.4ft), AZ-24T7E;7m(23ft)			
Drain piping mm	(Inches)		O.D ø 18(45/64)			
Others						
Safety device			Compressor: Overload protector(MRA98963-9201)			
			Fan motors: Thermal fuse Thermal Protector			
			Fuse, Micro computer control			
Air filters			Polypropylene net (Washable)			
Net dimensions	Width	mm(Inches)	790(31-3/32)	890(35-1/16)		
	Height	mm(Inches)	270(10-5/8)	637(25-5/64)		
	Depth	mm(Inches)	150(5-15/16)	297(11-11/16)		
Net weight		kg	7	56		
		marked item are	(150,005,4)	+		

Note: The condition of (★) marked item are 'IEC 335-1'.

EXTERNAL DIMENSIONS

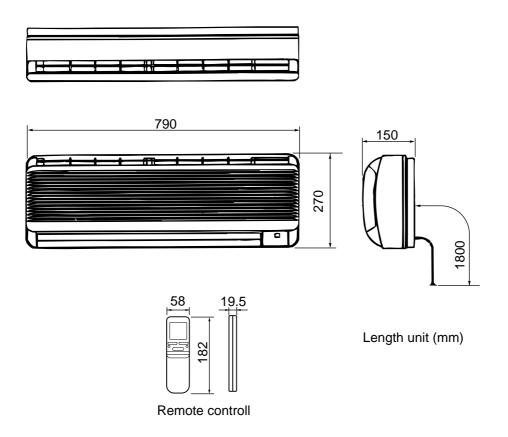


Figure E-1. INDOOR UNIT

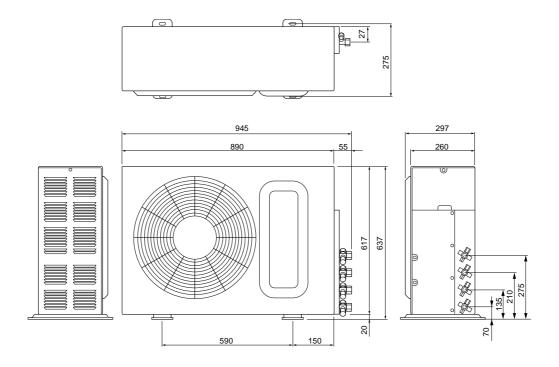


Figure E-2. OUTDOOR UNIT

WIRING DIAGRAMS

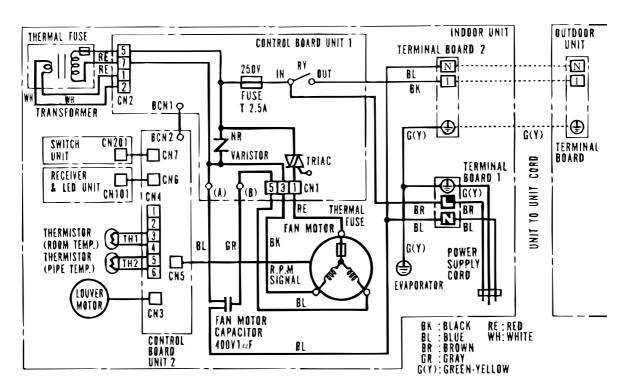


Figure W-1. Wiring Diagram for AH-M098E

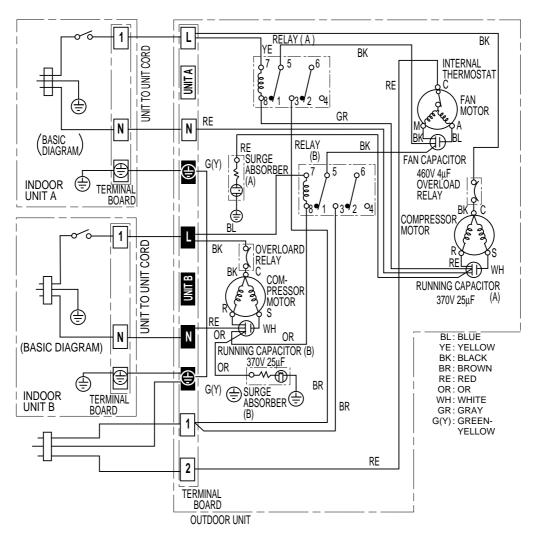


Figure W-2. Wiring Diagram for AU-M188E

ELECTRICAL PARTS

For Model AH-M098E and AU-M188E

DESCRIPTION	MODEL	REMARKS	SITE
Compressor	2PS154D3AA01	220 - 240V, 50Hz, 700W	AU
Indoor fan motor	ML-A411	220 - 240V, 50Hz	AH
Outdoor fan motor	ML-A457	220 - 240V, 50Hz	AU
Indoor fan motor capacitor	-	400V, 1μF	AH
Outdoor fan motor capacitor	-	460V, 4μF	AU
Running capacitor	-	370V, 25μF	AU
Transformer	-	Primary; AC 220V, 50Hz	AH
		Secondary; AC16.1V, 50Hz	
Fuse	-	250V, 2.5A	AH

Figure L-1. Electronic Control Circuit Diagram

MICROCOMPUTER CONTROL SYSTEM



Figure L-2-2. Printed Wiring Board of Receiver & LED Unit

Figure L-2-3. Printed Wiring Board of Switch Unit

MICROCOMPUTER CONTROL SYSTEM

1. Temperature control characteristic

1-1 Operation COOL

In the mode "COOL", the thermostat circuit is controlled by four thermostat lines (C1 \sim C4).

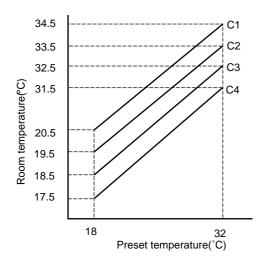


Figure H-1

1-2 Operation DRY

In the mode "DRY", the thermostat circuit is controlled by three thermostat lines (D1 \sim D3).

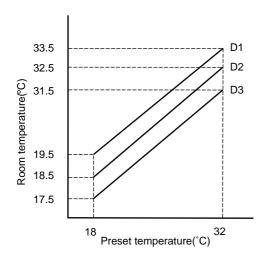
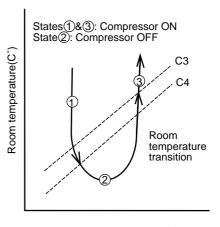


Figure H-2

2. Operation modes

2-1 Operation COOL

The compressor turns on or off, at the thermostat lines C3 and C4. The outdoor fan motor is also controlled with the compressor.



Preset temperature(C°)

Figure H-3

2-2 Operation DRY

On the switch on, the compressor always starts to operate for 2 minutes with fan speed "D" (slower than "UL").

The microcomputer reads the room temperature 2 minutes after this first compressor operation.

This room temperature is set as the preset temperature automatically.

The preset temperature ranges from 18°C to 32°C.

When the room temperature is below 18°C, the preset temperature is set to 18°C, and when the room temperature is over 32°C, the preset temperature is set to 32°C.

Dry operation is divided into three zones (Cooling zone, Dehumidifying zone and Circulating zone) by thermostat lines (D1 to D3), and the compressor and the fan motor are controlled in each zone as shown in Table H-1.

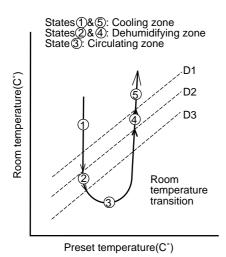


Figure H-4

Table H-1

		Compressor Fan
Speed		·
Cooling zone	ON	"UL"
Dehumidifying	ON	"D"
zone		
Circulating zone	OFF	"D" or OFF

2-3 Operation FAN ONLY The indoor fan motor always turns on.

3. FAN speed

Fan speeds are given by the indoor fan motor, "M" (fastest), "L", and "UL", which are available in the following operation mode.

Table H-2

FAN Switch	COOL	FAN ONLY
HIGH	М	М
LOW	L	Г
SOFT	UL	JL

4. Freeze preventive

When the indoor pipe temperature falls below -1°C during cool operation or dry operation, the compressor is stopped.

5. Test run

If the "TEST RUN" button in the unit is pushed during suspension of operation, cool test operation starts. At this time, the fan speed is set to "AUTO". If this button is pushed during operation, the test operation starts in current operation mode.

The operation LED (red) flickers during test run. In the mode cool continuous (compressor ON) operation is performed. In the mode dry operation os in the operation dehumidifying zone. In the fan only mode the indoor fan only mode the indoor fan motor runs continuously.

6. Timer

6-1 24-HOURS PROGRAMMABLE ON/OFF TIMER ON-TIMER or OFF-TIMER can be independently programmed.

The unit operaater at the preset temperature during one hour after the OFF-time is set, and then preset tempeerture is automatically shifted up (+1°C in cool operation and dry operation). When the ON-timer is set in cool operation, operation starts befor 0 to 30 minutes (depends on the room temperature), so that prset temperature is obtaind at set time.

6-2 ONE-HOUR TIMER

When ONE-HOUR TIMER is set, the unit turns off automatically after one hour. The ONE-HOOUR TIMER operation has priority over other time operation, such as the TIMER ON and TIMER OFF. If the button One-HOUR TIMER is pressed again during operation, the unit will operate additionally for another one hour.

7. Automatic air conditioning

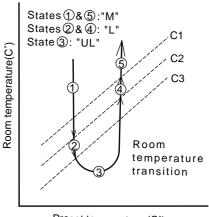
When automatic air conditioning is selected, the operation mode and preset temperature are set automatically according to the room temperature on starting operation.

Table H-3

Room temperature	Operation	Preset
of operation start	Mode	temperature.
Above 28°C		26°C
26 to 28°C	COOL	25°C
24 to 26°C		24°C
Below 24°C	DRY	Room
		temperature at
		operation start

8. Automatic fan speed control

If the automatic fan speed is selected in cool operation, the fan speed is automaatically shanged according to the thermostat line C1 C2, snd C3.



Preset temperature (C°)

Figure H-5

9. Outputs at each operation mode

Table H-4

		Compressor	Outdoor Fan motor	Indoor Fan motor
COOL	Cooling	ON	ON	ON
OOOL	Circulating	OFF	OFF	ON
	Cooling	ON	ON	L/UL
DRY	Dehumidifying	ON	ON	UL/D
	Circulating	OFF	OFF	D/OFF
FAN ONI	LY	OFF	OFF	ON

10.Power on start

If the connecting wire "Power ON"(JP8) is cut on the PWB ass'y, when the power is supplied by turning on a circuit breaker, the air conditioner automatically starts of operation in "AUTO" .

11.AUTO restart

If the connecting wire "MEMORY" (JP9)is cut, and on IC6 is soldered on the PWB ass'y, and power failure occurs during operation, the unit will restart in the same operation mode, after power recovery.

AH-M098E AU-M188E

12. Trouble suspension

When indoor fan motor is out of order or compressor-lock occurs, the compressor, indoor fan motor, outdoor fan motor, and louver are all stopped and the operation LED(red) turns off and the timer LED(yellow) turns on or off as follows.



13.Test mode

13-1 TEST 1(For control circuit operation checking) Make terminals 1 and 2 of connector CN4 shortcircuited and supply the power.

Hereby the timer's period becomes shortened. In this test mode, the control times are shortened as follows.

The operation LED flicker's period:

in Test run :

The protector timer:

The protector timer:

Other controls: 1/60(ex.: 3 min. to 3 sec.)

13-2 TEST 2 (For output of each operation checking)
Keep pushing both the buttons, "AUX." and :
"TEST RUN" and supply the power, the system
will go to the test 2 mode.

In this mode, the output of operation is switched by pushing the button "TEST RUN" on the unit or the button "0/I" on the remote controller.

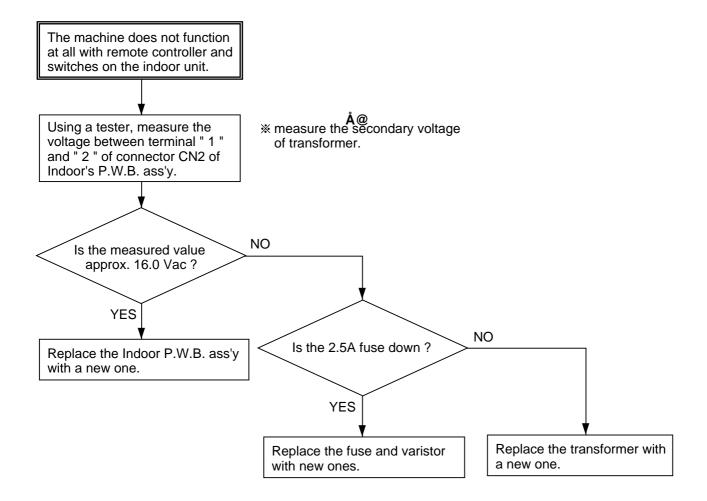
Use the button "AUX." to back to step 1. Normal outputs are shown in Table H-5, H-6.

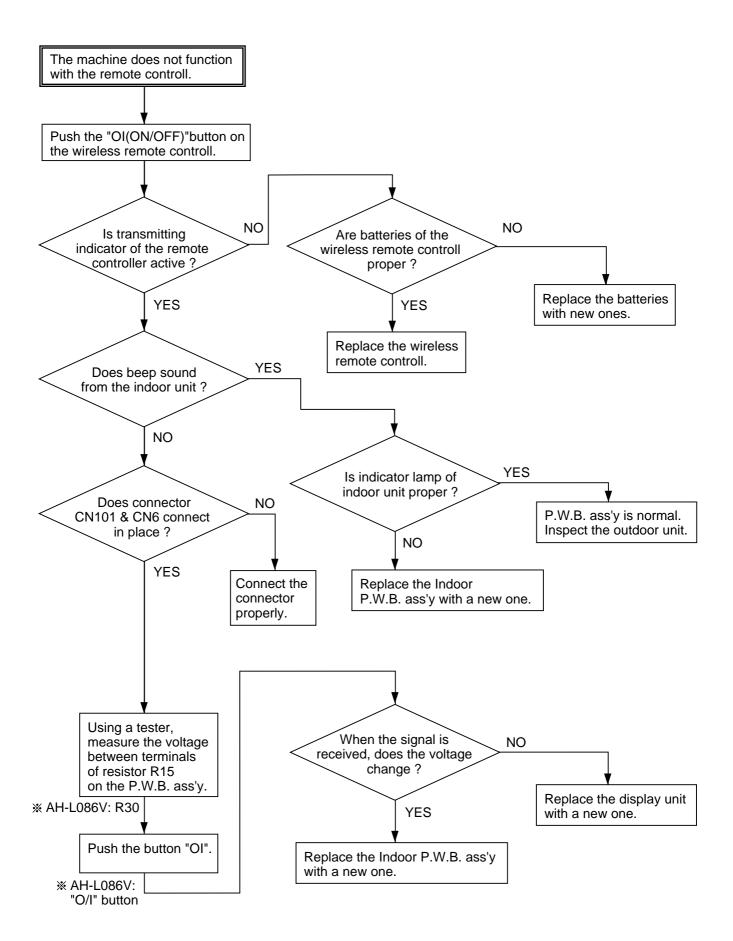
Table H-5

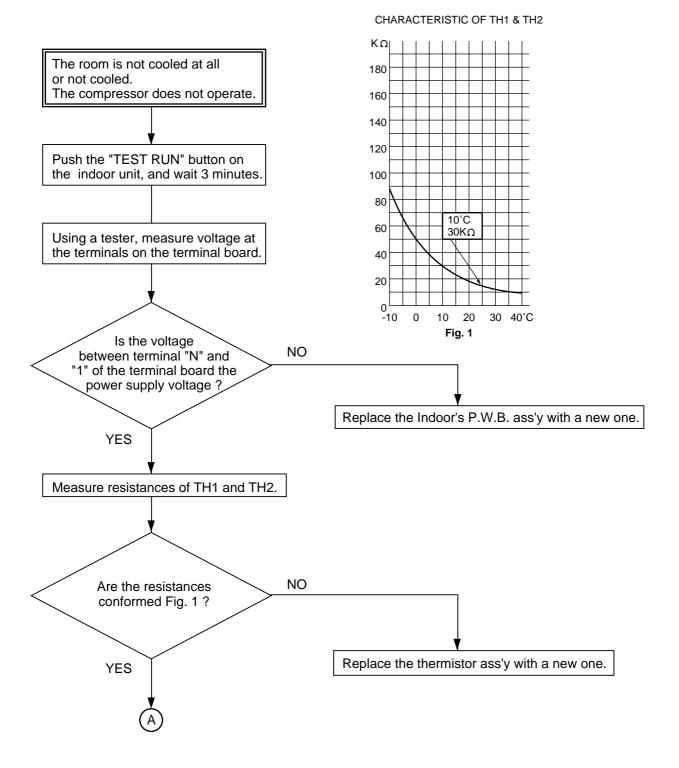
		Lamps		Indoor	Louver
Step	Output for outdoor unit	RED	YELLOW	Fan motor	
1	OFF	* 1	% 2	OFF	OPEN
2	ON	Flickering	ON	D	OFF
3	OFF	ON	OFF	М	OFF
4	OFF	ON	ON	L	CLOSE
5	OFF	ON	OFF	D	OFF
6	OFF	ON	ON	UL	OFF
7	OFF	OFF	ON ※3	(ON)	OFF
8	OFF	ON	ON	M	OFF
9	OFF	ON	ON	L	OFF
10	OFF	ON ※ 4	OFF%4	OFF	OFF
11	OFF	ON	OFF	OFF	OFF
12	OFF	ON	OFF	OFF	OFF
13	OFF	ON	OFF	OFF	OFF
14	OFF	ON	ON	OFF	OFF
15	OFF	ON	ON	OFF	OFF
16	OFF	ON	OFF	OFF	OFF
17	OFF	OFF	ON	OFF	OFF
18	OFF	OFF	ON	OFF	OFF
19	OFF	OFF	ON	OFF	OFF
20	OFF	ON	ON	OFF	OFF
	(Back to step 1)				

※ 1	: $7^{\circ}C \leq \text{Room temp.} < 42^{\circ}C$: $7^{\circ}C > (\text{Room temp.}) \text{ or (Room temp.}) \geq 42^{\circ}C$	
% 2	: -2° C≦ Pipe temp. < 42° C : -2° C> (Pipe temp.) or (Pipe temp.) ≥ 42° C	
% 3	: When the Power on start is effective, timer LED (yellow) is OFF.	
% 4	: When Auto Restart is effective, Operation LED (red) is OFF, and timer LED	O (yellow) is ON.

TROUBLESHOOTING OF A CONTROL CIRCUIT







REFRIGERATION CYCLE

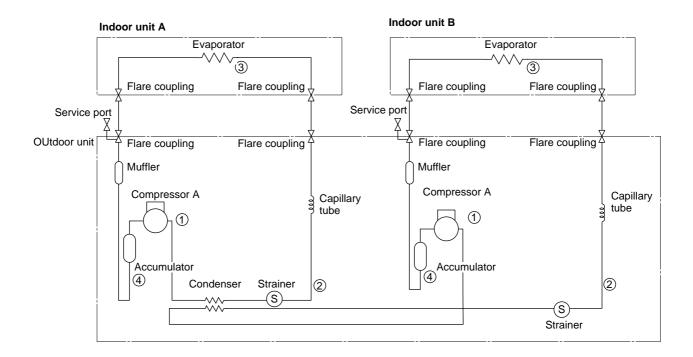
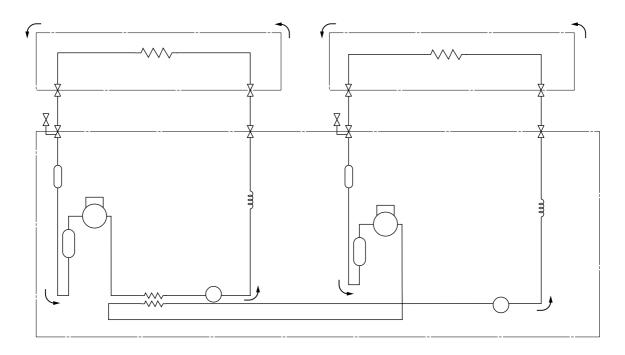


Figure R-1. Refrigeration Cycle



At Cooling

Figure R-2. Flow of Refrigerant

Cycle temperature and service port pressure

(ISO Cooling)

	Cooling		
	1 unit running	2 unit running	
1	73°C	71°C	
2	42°C	41°C	
3	12°C	12°C	
4	7°C	6°C	
Service port pressure	0.50MPa	0.50MPa	

^{※ · · · · ·} Gauge pressure

ISO Cooling and Heatpump condition

	Indoor side		Outdo	oor side
	Temperature (°C)	Relative humidity (%)	Temperature (°C)	Relative humidity (%)
Cooling	27	47	35	40

Dimension of Capillary tube

	O.D.	I.D.	L
Capillary tube	ø 2.7	ø 1.5	700

PERFORMMANCE CURVES

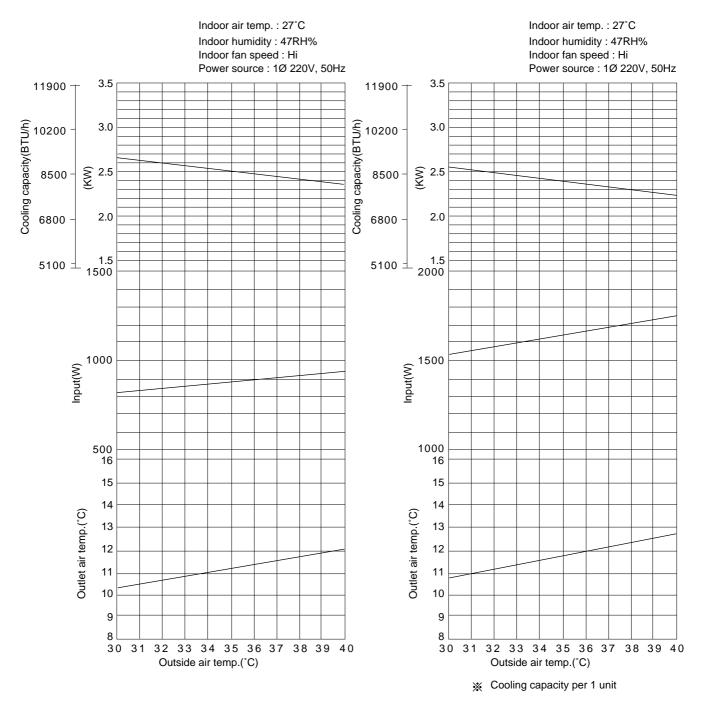


Figure P-1. At Cooling for AH-M098E (1 Unit running)

Figure P-1. At Cooling for AH-M098E (2 Unit running)

REFRIGERANT PIPE INSTALLATION WORKS

Refrigerant pipe length and level difference between the indoor and outdoor units.

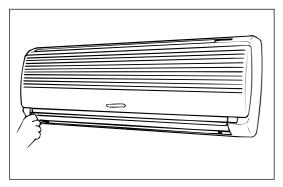
PIPE SIZE		STANDARD PEERMISSIBLE	PEERMISSIBLE LEVEL	
GAS	LIQUID	LENGHT	DIFFERENCE	
3/8"	1/4"	7m (23.0ft)	5m (16.4ft)	

The shorter the refrigerant pipe, the higher the machine capability. Keep the pipe as short as possible.

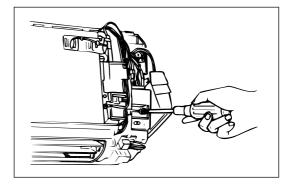
DISASSEMBLING PROCEDURE

FOR INDOOR UNIT MODEL AH-M098E

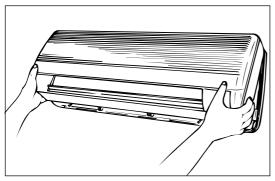
CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY SERVICING



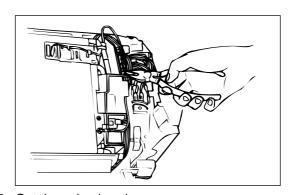
 Set the vertical adjustment louver horizontally and open the panel.
 Loose fixed 3 screws.



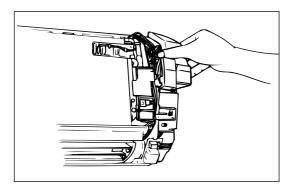
4. Loosen a screw and take out the cord holder.



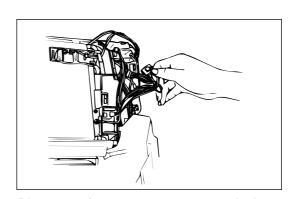
2. Take out the front panel ass'y.



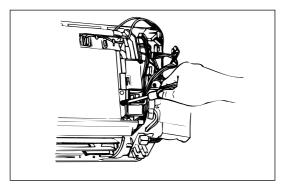
5. Cut the nylon band.



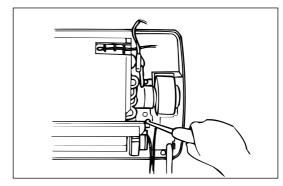
3. Take out the control cover.



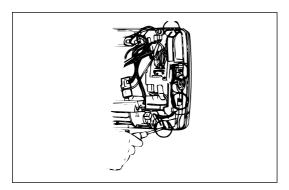
6. Disconnect fan motor connecters and others.



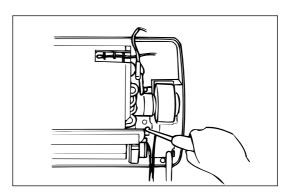
7.Loosen the earth screw.



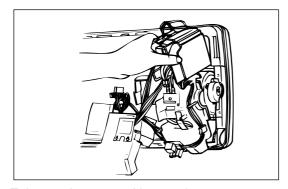
10.Loosen a screw fixing drain cover and take it out.



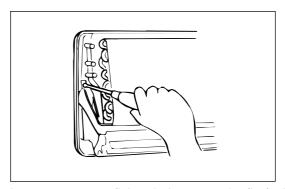
8.Loosen 4 screws fixing control box.



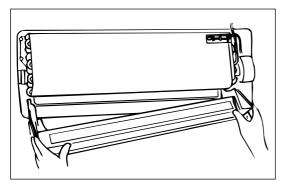
11.Loosen a screw fixing drain pan ass'y. (Right side)



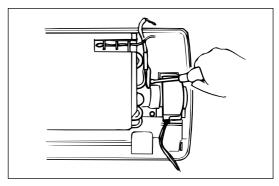
9. Take out the contorol box ass'y.



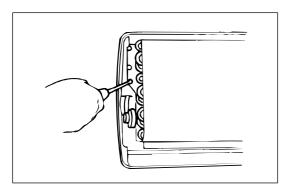
12.Loosen 2 screws fixing drain pan ass'y. (Left side)



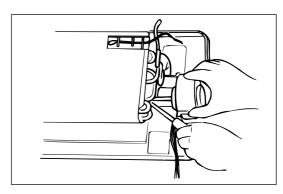
13. Take out the drain pan ass'y.



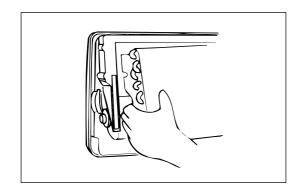
16.Loosen 2 screws fixing fan motor holder, and take out fan motor and cross flow fan.



14.Loosen 2 screws fixing evaporator.



17.Loosen a screw connecting cross flow fan to fan motor.



15.Lift up the evaporator.

OUTDOOR UNIT

CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY SERVICING

- Remove the screw holding the left side plate and pull it out.
- 2. Remove the one screw holding the control cover to the cabinet and pull it out.
- 3. Loosen the screw holding the right side plate.
- 4. Remove the another screw holding the right side plate and pull it out.
- 5. Remove the screws holding the left and right side of the cabinet.
- 6. Lift up and remove the cabinet.
- 7. Remove the one nut holding the fan to the fan motor shaft, now the fan is free.
- 8. Remove the three screws holding the fan motor to the motor stay sngle, now the fan motor is free.

NOTE: Number shown in follwing figure are the removal order.

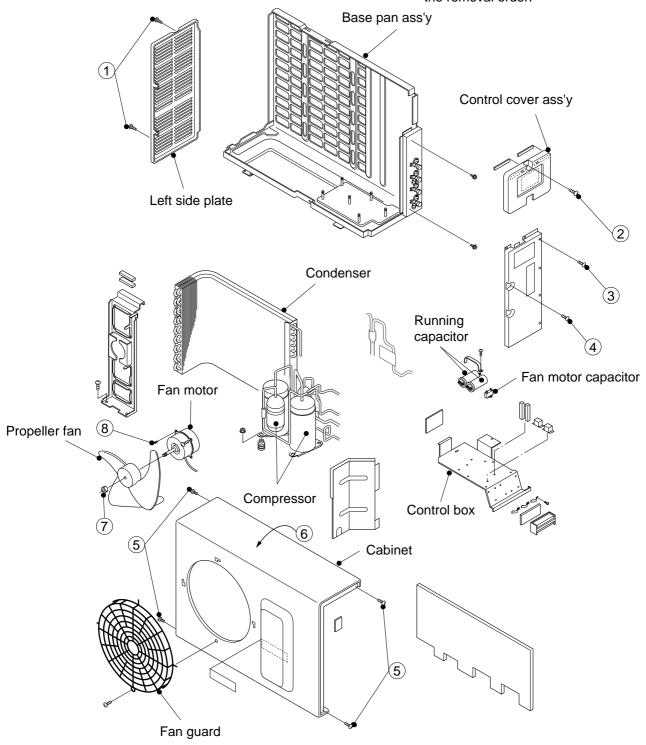


Figure D-2. OUTDOOR UNIT MODEL AU-M188E

REPLACEMENT PARTS LIST [AH-M098E]

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
	•	CABINET AND UNIT PARTS		
1- 1	CMOT-A221JBK0	Fan motor sub assembly	1	ВМ
1- 2	NFANCA042JBE0	Cross flow fan	1	BC
1- 3	CSRA-A352JBK0	Drain pan assembly	1	BH
1- 4 1- 5	MJNTPA040JBFB MLOV-A135JBFB	Louver link Horizontal adjustment louver A (Vertical louver A)	3 9	AC AB
1- 6	MLOV-A1350BFB MLOV-A136JBFB	Horizontal adjustment louver B (Vertical louver B)	3	AB
1- 7	MLOV-A133JBFB	Vertical adjustment louver A (Horizontal louver A)	1	AH
1- 8	MLOV-A134JBFB	Vertical adjustment louver B (Horizontal louver B)	1	AH
1- 9 1-10	PPACGA002JBE0 RMOT-A050JBE0	O ring Louver motor	1 1	AA AY
1-10	LHLD-A197JBFG	Louver holder	4	AB
1-15	CHLD-A053JBK0	Bearing assembly	1	AD
1-19	DCHS-A203JBK0	Cabinet assembly	1	AZ
1-20	DWAK-A641JBK0	Panel assembly	1 2	AY
1-21	PFILMA077JBEA HDEC-A623JBEA	Air filter Display cover	1	AP AM
1-23	HBDG-A059JBEA	Badge	1	AF
1-25	MARMPA012JBFA	Open panel hinge L	1	AD
1-26	MARMPA013JBFA	Open panel hinge R	1	AD
1-32	TSPC-C831JBRA PGUMSA046JBE0	Name label Damper rubber	1	AE AD
1-33	CPNL-A084JBK0	Open panel assembly	1	AD AV
1-36	PHOS-A015JBE0	Drain hose	1	AL
1-37	LHLD-A204JBF0	Motor holder	1	AE
1-38	PGUMMA071JBE0 PGUMMA086JBE0	Motor cushion Motor cushion	1	AN
1-39 1-40	PCOV-A190JBE0	Drain cover	1 1	AG AE
1-41	LHLD-A187JBFA	Tube holder	1	AD
1-42	PSHE-A099JBE0	Evaporator sheet	1	AH
1-43	LSPR-A006JBE0	Sheet spring for fixing evaporator seat	2	AB
1-44 1-45	LHLD-A209JBFA LHLD-A208JBFA	Front panel hinge R Front panel hinge L	1 1	AF AD
1-45	PBOX-A120JBK0	Louver gear assembly	1	AZ
1-47	NBRG-A010JBFB	Louver bushing	2	AA
1-48	PSHE-A098JBE0	Evaporator_seal	1	AC
1-49	TLABPA175JBR0	Louver seal	1	AB
0 1		CONTROL BOX PARTS		1
2- 1 2- 2	FPWBFA015JBK0 FPWBFA013JBK0	Display board unit Switch board unit	1 1	AW AM
2- 3	QTAN-A127JBE0	Terminal board (3P)	1	AN
2- 4	QTAN-A126JBE0	Terminal board (3P)	1	AN
2- 5	DPWBFA013JBK0	Control board unit	1	BS
2- 7 2- 8	QACC-A153JBE0 RTRN-A182JBE0	Power supply cord Transformer	1 1	AT AY
2- 9	RC-HZA195JBE0	Fan motor capacitor	1	AL
2-10	RTHM-A136JBE0	Thermistor	1	AN
2-11	LHLD-A190JBF0	Thermistor holder	1	AG
2-12 2-13	PBOX-A149JBF0 HPNLCA497JBF0	Control box Control box cover	1 1	AN AF
2-13	HPNLCA548JBE0	Control box cover Control panel	1	AF
2-15	LHLD-A266JBFA	Cord holder	1	AE
2-16	LHLD-A265JBF0	Cord clamp	1	AC
2-17	TLABCA654JBR0	Wiring diagram	1	AB
2-18 2-19	PSHE-A076JBE0 PGUMMA095JBE0	Protection cover Wire cushion	1 1	AE AA
2-20	PCOV-A191JBE0	LED holder	1	AD
2-21	RH-IXA252JBE0	Microcomputer (IC1)	1	AW
2-22	RIH-IZA025JBE0	Integrated circuit (IC3)	1	AE
2-23 2-24	VHIIR2411//-6 RH-SZA007JBE0	Integrated circuit (IC4) Triac	1 1	AE AK
2-25	RH-PZA017JBE0	Photo triac	1	AK
2-26	RRLYJA032JBE0	Relay (RY)	1	AU
2-27	VHIPST591D/-3	Integrated circuit (IC5)	1	AE
2-28 2-29	RFIL-A042JBE0 RH-VZ0002JBE0	Coil (L) Varistor (NR)	1 1	AM AE
2-29	RH-VZ0002JBE0 RH-IZA119JBE0	varistor (NR) Integrated circuit (IC2)	1	AE AD
2-31	RC-QZA096JBE0	Capacitor (C1)	1	AE
2-32	RR-KZA083JBE0	Resistor array (RA2)	1	AC
2-33	RR-KZA054JBE0	Resistor array (RA1)	1	AB
	•			

REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE		
2-34	RMPTEA031JBE0	Capacitor array (CA1, CA2)	2	AE		
2-35	RMPTEA025JBE0	Resistor cap array (RCM)	1	AD		
2-36	RCRS-A032JBE0	Ceramic oscillator (OSC)	1	AD		
2-37	QFS-AA013JBE0	Fuse 250V 2.5A	1	AC		
	CYCLE PARTS					
3- 1	CPIPCA297JBK0	Pipe assembly	1	BE		
3- 2	PEVA-A244JBE0	Evaporator	1	BS		
	ACCESSORY PARTS					
4- 1	LX-NZ0247JBE0	Wall plug, fixing Mounting plate	7	AB		
4- 2	XTTSD45P30000	Screw for Wall plug	6	AA		
4- 3	CRMC-A469JBE0	Wireless remote controller	1	BH		
4- 4	LX-BZA106JBE0	Special screw	1	AD		
4- 6	TINSEA209JBR0	Operation manual	1	BA		
4- 7	PPLTNA022JBP0	Mounting plate	1	AL		
4- 9	FCOV-A013JBFA	Screw cover	2	AB		
4-10	LPFT-A022JBF0	Drain joint	1	AD		
	SCREWS AND RING					
6- 1	LX-BZA075JBE0	Special screw	1	AA		
6- 2	XREUW50-06000	Ring	2	AA		

HOW TO ORDER REPLACEMENT PARTS

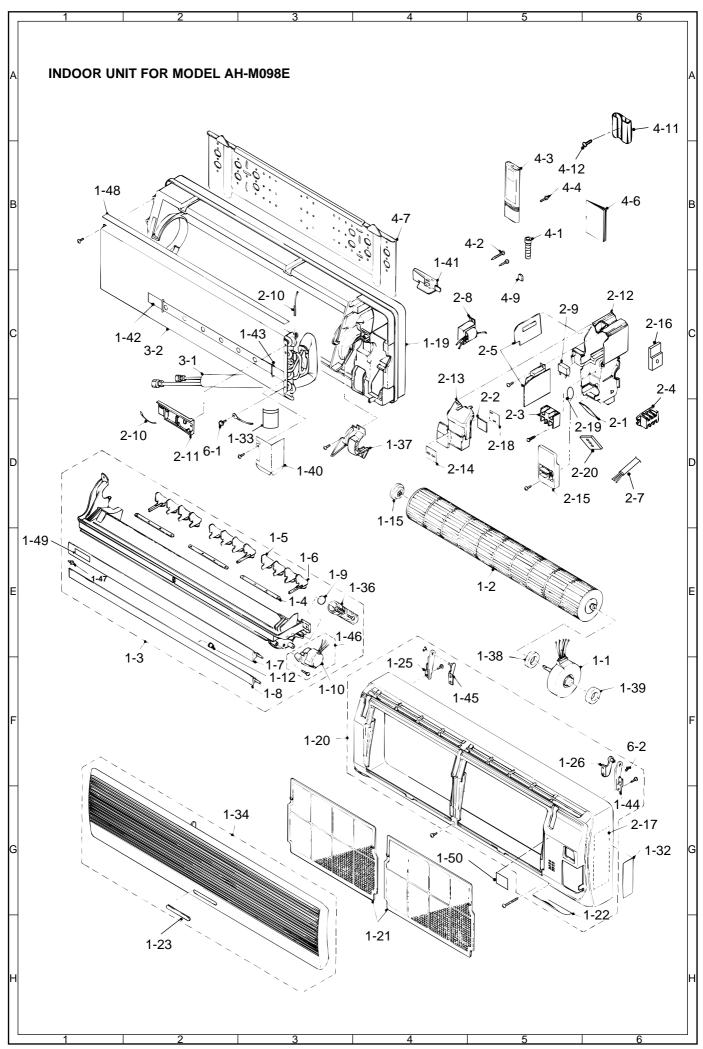
To have your order filled prompty and correctly, please furnish the following information.

1. MODEL NUMBER

2. REF. NO.

3. PART NO.

4. DESCRIPTION



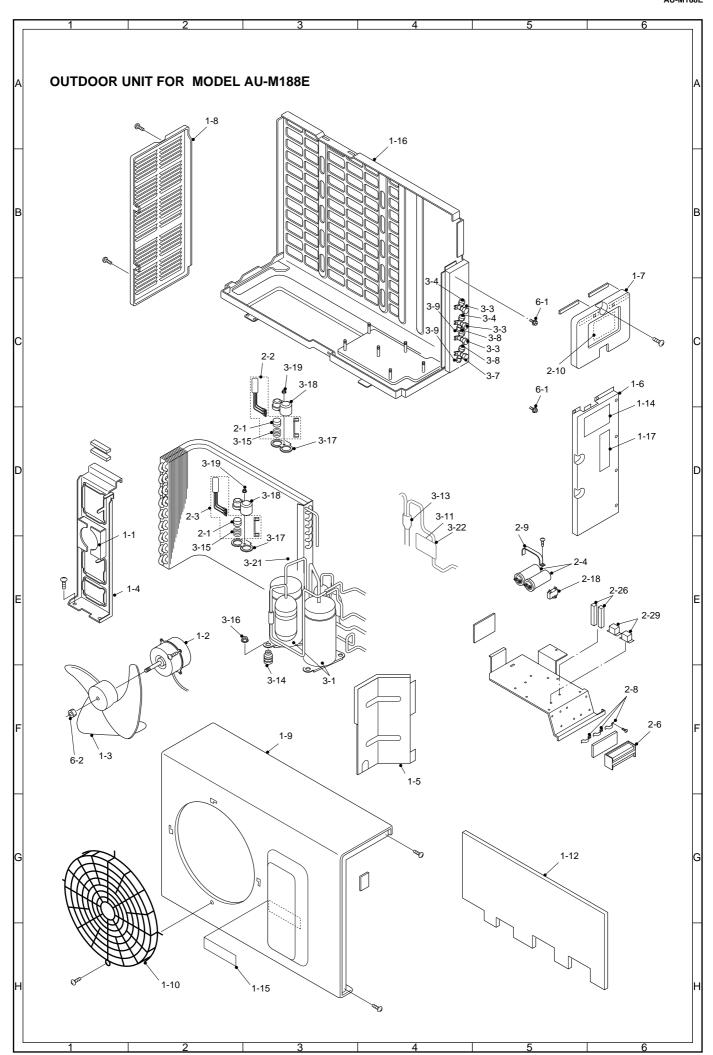
REPLACEMENT PARTS LIST [AU-M188E]

CABINET AND UNIT PARTS		<u> </u>	EPLACEMENT PARTS LIST [AU-M188E]		
1	REF. NO.	PART NO.	DESCRIPTION	Q'TY	CODE
1 - 3			CABINET AND UNIT PARTS	-	
1 - 3	1- 1	LSUB-A012JBP0	Motor stay sub angle	2	AG
1	1- 2				
1	1- 3	NFANPA037JBFA	Propeller fan	1	AZ
1	1- 4	LANGKA043JBP0	Motor stay angle	1	AV
1-6	1- 5	PSKR-A101JBP0		1	AO
1	1- 6	GPLTMA051JBTA	Right side plate	1	AW
1-9	1- 7	CFTA-A216JBK0		1	AQ
1-10 GGADPRO28UBEA Fan guard 1	1- 8	GPLTMA047JBTB	Left side plate	1	AR
1-12	1- 9	GCAB-A124JBTA	Cabinet	1	BD
1-14	1-10	GGADFA028JBEA	Fan guard	1	AZ
1-15	1-12	PSPF-A672JBE0	Sound proof cover	1	AU
1-16	1-14	TSPC-C836JBR0	Name plate	1	AE
CONTROL BOX PARTS	1-15	TLABBA100JBRA	SHARP label	1	AE
CONTROL BOX PARTS 2	1-16	CCHS-A511JBTA	Base pan ass'y	1	BG
2-1	1-17	TLAB-B317JBR0		1	AE
2-2 CW-VZA281JBKO Compressor cord ass'y (for compressor A) 1			CONTROL BOX PARTS		
2-2 CW-VZA281JBKO Compressor cord ass'y (for compressor A) 1	2- 1	RHOG-A093,TREO	Overload relay	2	ΔN
2-3		 		I	1
2					1
2-6 QTAN-A068JBED Terminal board 1 AG 2-8 LHLD-0227JBMO Cord clamp 3 AC AC Cord Clamp 1 AG AC Cord Clamp 1 AC Cord Clamp 1 AC Cord Clamp 1 AD AD AD AD AD AD AD				I	1
Cord clamp					
2-9		~			
2-10					1
2-18		 			1
2-26					1
CYCLE PARTS			_		_
CYCLE PARTS 3-1			3		
PCMPRA106JBE0 Compressor 2 CE		•	CYCLE PARTS	•	•
3- 2	2 1	DCMDD A 1 0 6 TD E 0			I ce
3- 3			_		
3-4				I	
3-7 DVLV-A272JBKO 3 Way valve assembly (Gas side) 2 BF				I	1
3-8			l -		1
3-9					
3-11		 			1
3-13					1
3-14 GLEG-A073JBE0 Compressor cushion rubber 6 AF					1
3-15				I	1
3-16					
3-17					
3-18			_		
3-19 LX-NZA051JBE0 Terminal cover nut 2 AH 3-22 PGUMS0193JBE0 Butyl rubber sheet A 2 AD ACCESSORY PARTS 4- 1 TINS-A535JBR0 Installation manual 1 AF SCREWS, NUT AND BOLT 6- 1 LX-BZA078JBE0 Valve set bolt 8 AF					
3-22 PGUMS0193JBE0 Butyl rubber sheet A 2 AD ACCESSORY PARTS 4- 1 TINS-A535JBR0 Installation manual 1 AF SCREWS, NUT AND BOLT 6- 1 LX-BZA078JBE0 Valve set bolt 8 AF		 			
ACCESSORY PARTS 4- 1 TINS-A535JBR0 Installation manual 1 AF SCREWS, NUT AND BOLT 6- 1 LX-BZA078JBE0 Valve set bolt 8 AF					
4- 1 TINS-A535JBR0 Installation manual 1 AF SCREWS, NUT AND BOLT 6- 1 LX-BZA078JBE0 Valve set bolt 8 AF	· -				
6-1 LX-BZA078JBE0 Valve set bolt 8 AF	4- 1	TINS-A535JBR0		1	AF
6-1 LX-BZA078JBE0 Valve set bolt 8 AF	CODEMIC AND BOLT				
		1	,	ı	1
6-2 LX-NZ0128JBE0 Fan set nut 1 AB					1
	6- 2	LX-NZ0128JBE0	Fan set nut	1	AB

HOW TO ORDER REPLACEMENT PARTS

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MODEL NUMBER
 REF. NO.
 PART NO.
 DESCRIPTION



SHARP